UMCSF 1.4 V1

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

Summary Memorandum

Site ID: WA D044038073

County: King

Priority Assessment: Med

Backlog Red. Cat.:

Date/Revised: 09/12/84

Name and Location:

Universal Manufacturing
14410NE 190th
Woodinville, Washington 98072

Contact: Donald Jenkins
Telephone: (206) 489-0791
Site Status: (X) Active ( ) Inactive ( ) Unknown

Site Description/TSD Activities:

Facility is electroplater which, prior to 1975, discharged all process waters, solvents, and other liquid wastes through a lagoon and septic system. Lagoon has since been filled in and facility discharges to METRO sewers. Chronic problem of overflow of septic drainfield (pre-1975) and now chronic problem of violating METRO discharge permit.

Waste Types/Quantities/Characteristics:

Chlorinated solvents, copper wastes, cyanide in unknown quantities. Wastes are both toxic and persistent. Facility has history of storing acids and solvents adjacent to each other in unlabelled or improperly labelled drums with missing lids and/or missing bungs.

Physical/Social Environment:

Site is in fairly rural area. Bear Creek by 1/4 mile west, is salmonid spawning stream. Groundwater, at 30 ft, is source of drinking water for up to 1,000 people within a 3-mile radius. 2 parks and 2 schools within one mile.

Pollutant Mobilization/Pathways/Risk:

Risk to groundwater through leaching of material from old lagoon site and septic drainfield. Little risk of surface water contamination at this time, although spills have occurred in the past.

Priority Assessment/Backlog Reduction Category:

Medium

Followup Recommendations:

Recommend soil and groundwater sampling in area of old septic drainfield and lagoon site to confirm or deny contamination. If contamination is found, then wells downgradient should be sampled to see if wastes are moving off-site.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 1 - Site Information and Assessment

I. IDENTIFICATION

01 State	02 Site Number
WA	D044038073

II. SITE NAME AND LOCATION

01 Site Name (legal, common, or descriptive name of site)	02 Street, Route No., or Specific Location Identifier				
Universal Manufac. Corp.	14410 NE 190th				
03 City	**04 State**	**05 Zip Code**	**06 County**	**07 County Code**	**08 Cong Dist**
Woodinville	WA	98072	King	033	02
09 Coordinates Lattitude / Longitude	**Section/Township/Range**				
	Sec 3, T26N, R5E, WM				

10 Directions to Site (starting from nearest public road)

III. RESPONSIBLE PARTIES

01 Owner (if known)	02 Street (business, mailing, residential)			
Mr. Donald Jenkins	14410 NE 190th			
03 City	**04 State**	**05 Zip Code**	**06 Telephone Number**	
Woodinville	WA	98072	(206) 4860791	
07 Operator (if known and different from owner)	**08 Street (business, mailing, residential)**			
Universal Manufac. Corp.	14410 NE 190th			
09 City	**10 State**	**11 Zip Code**	**12 Telephone Number**	
Woodinville	WA	98072	(206) 4860791	

13 Type of Ownership (check one)

(X) A. Private ( ) B. Federal: ( ) C. State ( ) D. County ( ) E. Municipal
( ) F. Other: ( ) G. Unknown

14 Owner/Operator Notification on File (check all that apply)

( ) A. RCRA 3001, Date Rec'd: / / ( ) B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / / (X) C. None

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 On Site Inspection

(X) Yes, Date: 73 /-- /84
( ) No

By (check all that apply):
(X) A. EPA ( ) B. EPA Contractor (X) C. State (X) D. Other Contractor
(X) E. Local Health Official (X) F. Other: METRO Inspector

Contractors Name(s): JRB Associates

02 Site Status (check one)

(X) A. Active ( ) B. Inactive ( ) C. Unknown

03 Years of Operation

beginning year: 1968 | ending year: Pres ( ) Unknown

04 Description of Substances Possibly Present, Known, or Alleged

Facility produces circuit boards and sheet metal products, although the sheet metal operation is reported to be under a separate owner. Materials used include concentrated acids and caustics, solvents, cyanide and several metals including copper, tin, and lead.

05 Description of Potential Hazard to Environment and/or Population

Past practices discharged wastes to septic tank and lagoon which now is filled in with building over site. High potential threat to groundwater. Now wastes are either contract-removed or discharged to METRO. WDOE reports past poor storage practices, inadequate containment and evidence of spills to surface water. Numerous METRO sewer violations from copper discharge.

V. PRIORITY ASSESSMENT

01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3)

( ) A. High (inspection required promptly) (X) B. Medium (inspection required) ( ) C. Low (inspect on time available basis) ( ) D. None (no further action needed complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 Contact	02 Of (agency/organization)		03 Telephone Number
Ned Therien	WDOE		(206) 4596352
04 Person Responsible for Assessment	**05 Agency**	**06 Organization**	**07 Telephone Number**	**08 Date**
Patricia O'Flaherty	N/A	JRB Associates	(206) 7477899	10 / 31 / 84

Modified (5/84) from EPA Form 2070-12 dated 7/81

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 2 - Waste Information

I. IDENTIFICATION

01 State	02 Site Number
WA	D044038073

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 Physical States (check all that apply)
( )A. Solid ( )E. Slurry
( )B. Powder, Fines (X)F. Liquid
(X)C. Sludge ( )G. Gas
( )D. Other:

02 Waste Quantity at Site (measures of waste quantities must be independent)
Tons: Unk.
Cubic Yards: Unk.
No. of Drums: Unk.

03 Waste Characteristics (check all that apply)
(X)A. Toxic ( )E. Soluble ( )I. Highly Volatile
(X)B. Corrosive ( )F. Infectious ( )J. Explosive
( )C. Radioactive ( )G. Flammable ( )K. Reactive
(X)D. Persistent ( )H. Ignitable ( )L. Incompatible
( )M. Not Applicable

III. WASTE TYPE

Category	Substance Name	01 Gross Amount	02 Unit of Measure	03 Comments
SLU	Sludge			
OLW	Oily Waste			
SOL	Solvents	100	Gal/mon	1968-1975 to lagoon
PSD	Pesticides			
OCC	Other Organic Chemicals			
IOC	Inorganic Chemicals	Unknown	N/A	
ACD	Acids	Unknown	N/A	
BAS	Bases	Unknown	N/A	
MES	Heavy Metals	Unknown	N/A	

IV. HAZARDOUS SUBSTANCES (see Appendix for most frequently cited CAS numbers)

01 Cat.	02 Substance Name	03 CAS Number	04 Storage/Disposal Method	05 Concentration	06 Measure of Concentration
MES	Copper compounds	Unknown	Drainfield, Spills	Unknown	N/A
MES	Lead compounds	Unknown	Drainfield, Spills	Unknown	N/A
MES	Zinc compounds	Unknown	Drainfield, Spills	Unknown	N/A
IOC	Cyanide compounds	Unknown	Drainfield, Spills	Unknown	N/A
SOL	Trichloroethane	79005	Drainfield, Spills	Unknown	N/A
WOL	Methyl ethyl ketone	78933	Drainfield, Spills	Unknown	N/A
ACD	Phosphoric acid	7664382	Drainfield, Spills	Unknown	N/A

V. FEEDSTOCKS (see Appendix for CAS numbers

Category	01 Feedstock Name	02 CAS Number	Category	01 Feedstock Name	02 CAS Number
FDS	see attached	N/A	FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, etc.)

Metro Permit Files
WDOE Site Inspections
EPA Site Inspections

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State	02 Site Number
WA	D044038073

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 (X) A. Groundwater Contamination 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Population Potentially Affected: 1,000 04 Narrative Description

Shallow aquifer is in glacial drift with some lenses of till. Approx. 1,000 people served by domestic wells within a 3 mile radius. Company used to discharge through septic system. Groundwater at 30 ft. Relatively high potential for contamination.

01 (X) B. Surface Water Contamination 02 (X) Observed (Date: 1975) ( ) Potential ( ) Alleged

03 Population Potentially Affected: Unknown 04 Narrative Description

Wastewaters from plating operation ponding above drainfield and draining into unnamed tributary of Bear Creek. Wastes contain heavy metals (Pb and Cu), ammonia etchant and cyanide. Numerous violations reported in 1970s by WDOE, but no SW sampling to determine concentrations.

01 (X) C. Contamination of Air 02 ( ) Observed (Date:) ( ) Potential ( ) Alleged

03 Population Potentially Affected: 0 04 Narrative Description

None reported or suspected. 1,500 residents and 300 transients within one mile.

01 (X) D. Fire/Explosive Conditions 02 ( ) Observed (Date:) ( ) Potential ( ) Alleged

03 Population Potentially Affected: 0 04 Narrative Description

No known certified fire threat. Fire at plant in 1980 resulted from electrical sparks, not hazardous wastes.

01 (X) E. Direct Contact 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Population Potentially Affected: < 100 04 Narrative Description

Site is now fenced and gated, although dumpsters are outside fences. Little potential for direct contact.

01 (X) F. Contamination of Soil 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Area Potentially Affected (acres): < 2 04 Narrative Description

Prior to 1975, company discharged all wastes to a septic drainfield and to lagoon. Drainfield plugged in 1975 and discharge flowed overland to small creek. Wastes contain heavy metals, cyanide, ammonia etchant and possibly chlorinated solvents.

01 (X) G. Drinking Water Contamination 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Population Potentially Affected: 1,000 04 Narrative Description

1,000 people within 3 mile radius use groundwater for drinking. Because facility discharged through septic system for a number of years, there is a risk to this drinking water source. Nearest well (Drenkel) is 3/4 mile north of site.

01 (X) H. Worker Exposure/Injury 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Workers Potentially Affected: <50 04 Narrative Description

Documented (WDOE) improperly labelled and unlabelled drums of hazardous chemicals on site, some leaking or with no lids or bungs in 1970's and as late as 1982. High potential exists for worker exposure through improper waste handling.

01 (X) I. Population Exposure/Injury 02 ( ) Observed (Date:) (X) Potential ( ) Alleged

03 Population Potentially Affected: 1,000 04 Narrative Description

Potential for exposure mostly through potential contamination of groundwater or through worker exposure. 1,000 people served by wells within a 3 mile radius.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION
01 State: WA
02 Site Number: D044038073

II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)

01 (X) J. Damage to Flora 02 ( ) Observed (Date:) (X) Potential ( ) Alleged
04 Narrative Description
Potential damage to flora of Bear Creek in 1970's from overflow of septic drainfield and discharge of wastes to Bear Creek.

01 (X) K. Damage to Fauna 02 ( ) Observed (Date:) (X) Potential ( ) Alleged
04 Narrative Description (include name[s] of species)
Potential damage to fauna of Bear Creek in 1970's from overflow of septic drainfield and discharge of materials to Bear Creek. Bear Creek is chinook, coho, sockeye, and indigenous trout spawning creek.

01 (X) L. Contamination of Food Chain 02 ( ) Observed (Date:) (X) Potential ( ) Alleged
04 Narrative Description
None known. Potential for food chain contamination is unknown, but it is possible that fish could accumulate metals.

01 (X) M. Unstable Containment of Wastes (spills/runoff/standing liquids/leaking drums) 02 (X) Observed (Date: 70's/82) ( ) Potential ( ) Alleged
03 Population Potentially Affected:
04 Narrative Description
Drums stored without lids or with missing bungs. Overflow from plugged septic system in 1970s. Numerous sewer discharge violations.

01 (X) N. Damage to Offsite Property 02 ( ) Observed (Date:) ( ) Potential ( ) Alleged
04 Narrative Description
None reported.

01 (X) O. Contamination of Sewers, Storm Drains, WWTPs 02 (X) Observed (Date: 70's/82) ( ) Potential ( ) Alleged
04 Narrative Description
Permitted for 31,000 gpd discharge by METRO. Numerous violations of copper discharge limitations; in 1982, discharged contents of acid tank without neutralizing it.

01 (X) P. Illegal/Unauthorized Dumping 02 (X) Observed (Date: 1970's) ( ) Potential ( ) Alleged
04 Narrative Description
Numerous violations of sewer discharge limitations for copper. Company sometimes diverted plating rinse water to "surface waters" when drainfield was plugged.

05 Description of Any Other Known, Potential, or Alleged Hazards
Company also discharged to lagoon in 1970s. Most of waste now going to METRO or being taken away by haulers. This lagoon now filled in and building put on top of it. EPA estimates no more than 1000 gals/month of wastes including 100 gal/month of solvents that went to this lagoon.

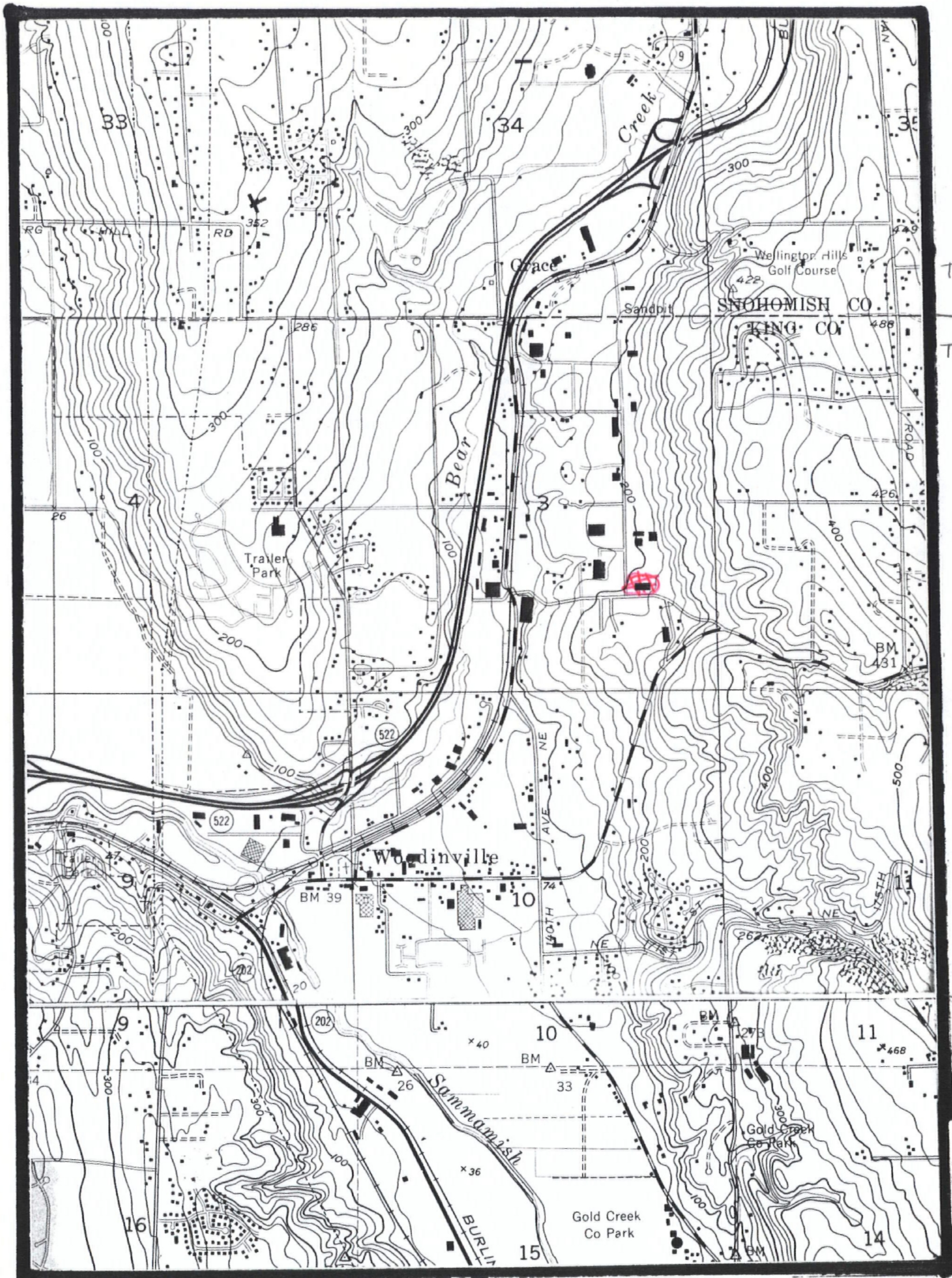
III. TOTAL POPULATION POTENTIALLY AFFECTED: 1000

IV. COMMENTS

Company is financially borderline. METRO's new pretreatment standards may (according to WDOE, J. Sellick-NW Office) result in company going out of business. Recommend soil and groundwater sampling for metals and chlorinated solvents.

V. SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)

WA Dept. of Fisheries/Catalog of Streams; JRB Site Visit, 7/19/84; Pers. comm., W. Davis, Woodenville, Water Dist., 7/18/84; DSHS Computer Files; EPA/ERRIS Files; PSCOG, 1984; 1980 Fed. Census; USGS Bothell Quad, 1973; WDOE Files; Geohydro. Mono. 5; Water Supply Bull. #20



T27N

T26N

Bothell
7½'
1981

Kirkland

R5E

Universal Manufacturing

Ultimate discharge point(s) of above sewer systems

PUGET SOUND

Source _____

100-year flood potential at site

NONE

Source 7

RELEASE OF CONTAMINANTS VIA AIR ROUTE
(Complete only if directed by JRB)

Population within various radii of site:

1/4 mile _____ 1 mile _____

1/2 mile _____ 4 miles _____

Source _____

Distance/direction to a commercial/industrial area, if 1 mile or less

Source _____

Distance/direction to a national or state park, forest or wildlife refuge if 2 miles or less

Source _____

Distance/direction to a residential area if 2 miles or less

Source _____

Distance/direction to agricultural land in production within past five years, if 1 mile or less

Source _____

Distance/direction to prime agricultural land in production within past five years, if 2 miles or less

Source _____

Distance/direction of a historic or landmark site (National Register of Historic Places and National Natural Landmarks) if within 1 mile or less

Source _____

where's woodinville get its water? Bothell wells too
Call KCWD
#104
Beth –

ATTACHMENT B
RCRA Section 3012 Preliminary Assessment Program
Surface and Groundwater Hydrology

Prepared for JRB Associates by Geo/Resource Consultants

Site Name UNIVERSAL Mfg. CORPORATION County KING

Sources:
1. GEOHYDROLOGY MONOGRAPH 5
2. U.S.G.S. QUAD. (BOTHELL)
3. Water Supply Bulletin No. 20
4.
5.
6.
7.
8. Well logs used: (a) C.L. WIGHT well # 26/5-3R1
(b) Floyd GREATER well # 26/5-9L1

GROUNDWATER

Name/description of aquifer of concern
GLACIAL DRIFT - unconsolidated sand, GRAVEL, SILT & CLAY
PARTIALLY CONSOLIDATED TILL

Source 1

Depth from the ground surface to the highest seasonal level of the saturated zone of the aquifer of concern
30.13' - Well is close to the same elevation of site 200' ± another well at 90' has water level of 5.04'
Therefore highest seasonal level is between 5'-30'

Source 3 8(a)

Soil type and permeability in unsaturated zone
No well logs available. However from looking at wells around the 3 mile area it seems as though there is some sand gravel with some very thick confining layers of "hardpan" and clay. IMPERMEABLE

Source 3, 8

Use(s) of aquifer of concern within a 3-mile radius of the hazardous substance. If available, indicate up-gradient or down-gradient
Irrigation, stock, Domestic, public supply.

Source 3

Location (Distance, Up/Down Gradient) of nearest well drawing from aquifer of concern or occupied building not served by a public water supply
1/10 mile, upgradient to the South East.

Source 2, 3

Unidentified MSW Comp.

Identified water-suply well(s) drawing from aquifer of concern wtihin a 3-mile radius of the hazardous substance and population served by each well

Public: 2 Public supply
3 irrigation

Private: 80 domestic
11 stock

Source _____

Land area (in acres) irrigated by supply well(s) drawing from aquifer of concern within a 3-mile radius of the hazardous substance

NONE STATED.

Source _____

SURFACE WATER

Name/description, distance, and gradient (range c/o) to nearest downslope surface water if within three miles

SITE 200' Creek 80'

SITE is 1/2 mile to the east of Bear Creek which then flows into the SAMMAMISH RIVER to the South West. 4.5%

Source 2

Use(s) of surface water within 3-miles (free-flowing water) or 1-mile (static water) of the hazardous substance

NO USE

Source _____

Location of water-supply intake(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance and population served by each intake

NONE

Source _____

Land area (in acres) irrigated by supply well(s) within 3-miles (free-flowing water) or 1-mile (static water) downstream of the hazardous substance

NONE ST

Source _____

Distance, in stream miles, to intakes cited in previous two items

N/A.

Source _____

DEPARTMENT OF ECOLOGY

INSPECTION REPORT

To Files

Date of Visit 9/29/81

Name of Entity Universal Manufacturing

City Woodinville County King

Inspector M. Deede & J. Sellick

Permit No. 7133 (Metro)

Permit Expires _____

New Industry _____

Person Contacted Dave Nance

Type of Facility Printed Circuit Board Manufacturing - (Electroplating)

Receiving Water Sanitary Sewers

Type of Treatment System —

Operation Satis _____ Fair _____ Unsatis X

Does not comply with permit conditions

Describe High copper discharges into sewers due to excessive drayout. The company uses Cu, Ni, Tin-lead and Tin solutions for plating. Cyanide solu. is used for gold plating. Waste chemical solutions, some with sludges, are stored in unbirmed areas. Some containers were open and stored on ~~gravel~~ unpaved ground. No catchbasin in the storage area, so there is no threat to surface waters. Potential for ground water pollution in case of a spill or rain. Dried greenish-blue residue found on the ground. Mr. Nance said that they had a small spill earlier in the morning during loading operations. Mr. Nance ~~does~~ did not even ~~sure~~ know what the contents of some of the stored ~~a~~ drums were!

EPA

POTENTIAL HAZARDOUS WASTE SITE
FINAL STRATEGY DETERMINATION

REGION	SITE NUMBER
10	1690

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET	
UNIVERSAL MANUFACTURING CORP	14410 N.E. 190TH	
C. CITY	**D. STATE**	**E. ZIP CODE**
WOODINVILLE	WA	98072

II. FINAL DETERMINATION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED	X				
B. REMEDIAL ACTION NEEDED, BUT NO RESOURCES AVAILABLE *(If yes, complete Section III.)*					
C. REMEDIAL ACTION *(If yes, complete Section IV.)*					
D. ENFORCEMENT ACTION *(If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)*					

E. RATIONALE FOR FINAL STRATEGY DETERMINATION

HAZARDOUS WASTES ARE CONTROLLED AND TAKEN OFF-SITE. HAULER UNDER INVESTIGATION.
NO PROBLEMS NOTED DURING INVESTIGATION

F. IF A CASE DEVELOPMENT PLAN HAS BEEN PREPARED, SPECIFY THE DATE PREPARED *(mo., day, & yr.)*	G. IF AN ENFORCEMENT CASE HAS BEEN FILED, SPECIFY THE DATE FILED *(mo., day, & yr.)*

H. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
NEIL THOMPSON	(206) 442-1260 (FTS-399-X)	2/28/80

III. REMEDIAL ACTIONS TO BE TAKEN WHEN RESOURCES BECOME AVAILABLE

List all remedial actions, such as excavation, removal, etc. to be taken as soon as resources become available. See instructions for a list of Key Words for each of the actions to be used in the spaces below. Provide an estimate of the approximate cost of the remedy.

A. REMEDIAL ACTION	B. ESTIMATED COST	C. REMARKS
	$	
	$	
	$	
	$	
	$	
	$	
	$	
	$	
D. TOTAL ESTIMATED COST	$	

EPA Form T2070-5 (10-79)

Continue On Reverse

Continued From Front

IV. REMEDIAL ACTIONS

A. SHORT TERM/EMERGENCY ACTIONS *(On Site and Off-Site)*: List all emergency actions taken or planned to bring the site under immediate control, e.g., restrict access, provide alternate water supply, etc. See instructions for a list of Key Words for each of the actions to be used in the spaces below.

1. ACTION	2. ACTION START DATE *(mo,day,&yr)*	3. ACTION END DATE *(mo,day,&yr)*	4. ACTION AGENCY *(EPA, State, Private Party)*	5. COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED.
				$	
				$	
				$	
				$	
				$	
				$	

B. LONG TERM STRATEGY *(On Site and Off-Site)*: List all long term solutions, e.g., excavation, removal, ground water monitoring wells, etc. See instructions for a list of Key Words for each of the actions to be used in the spaces below.

1. ACTION	2. ACTION START DATE *(mo,day,&yr)*	3. ACTION END DATE *(mo,day,&yr)*	4. ACTION AGENCY *(EPA, State Private Party)*	5. COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED.
				$	
				$	
				$	
				$	
				$	
				$	

C. MANHOURS AND COST BY ACTION AGENCY

1. ACTION AGENCY	2. TOTAL MAN-HOURS FOR REMEDIAL ACTIVITIES	3. TOTAL COST FOR REMEDIAL ACTIVITIES
a. EPA		$
b. STATE		$
c. PRIVATE PARTIES		$
d. OTHER *(specify)*:		$

HAZARDOUS WASTE SITES
EVALUATION OF SECTION 311 CLEANUP REQUIREMENTS
ENVIRONMENTAL EMERGENCY SECTION
EPA - REGION X

SITE IDENTIFICATION			
Site Name: Universal mfg. Corp.	Street: 14410 N.E. 190th		
City: Woodinville	State: WA	Zip: 98072	County: King

PRINCIPAL EVALUATOR	
Name: R. Fullner	Title: TATL
Organization: E/E	Telephone Number: 624-9537

METHOD OF EVALUATION	
On-Site Inspection ☐	Review of reports and information ☒
Date:	Date: 2-21-80

EVALUATION INFORMATION

	Yes	No	Unknown
1. a. Is there evidence of a discharge/seepage from the site?		X	

b. Indicate the nature of the evidence:

- ☐ Visible flow/seepage.
- ☐ Odors detectable in soil/water outside of site boundaries.
- ☐ Stains/discoloration of soil/water around site.
- ☐ Sample analysis.
- ☐ Other:

	Yes	No	Unknown
2. a. Is there a substantial threat of discharge/seepage from the site?		X	

b. Indicate the nature of the evidence:

- ☐ Dikes or other containment structures are inadequate/lacking.
- ☐ Waste materials are visible on the site surface.
- ☐ High groundwater table.
- ☐ Leaking containers, standing liquids, are visible.
- ☐ Inadequate site security.
- ☐ Other:

Note: If you answered no to both question 1 and 2, proceed to question 7.

	Yes	No	Unknown
3. a. Is there evidence that the actual or potential discharge/ seepage is entering or could enter navigable waters of the United States?			

b. Indicate the nature of the evidence:

- ☐ Discharge/seepage observed entering a navigable water.
  Name of water body: _____
- ☐ Land contour and drainage patterns indicate that, during rainstorms, material could be expected to enter navigable waters.
  Name of water body: _____
- ☐ Other:

	Yes	No	Unknown
4. a. Is the material in item 3 above a designated hazardous material according to 40CFR116?			

b. How was this determined?

- ☐ Sample analysis.
- ☐ From available information concerning materials handled or disposed of at the site.
- ☐ Other:

	Yes	No	Unknown
5. Has the owner/operator of the facility been identified?			
6. Will the owner/operator take proper action to eliminate the actual or potential discharge?			
7. In your opinion, is this site eligible for cleanup under section 311?		X	

8. Comments:

Attachments:

_____Photo(s) _____Map(s) _____Analytical Results _____Other: